

AP26375PU-N**Polyclonal Antibody to Spi-6 - Purified****Alternate names:**

Cytoplasmic antiproteinase 3, PI-9, serpin B9

Quantity:

0.1 mg

Concentration:

0.1 mg/ml

Background:

Spi-6 is expressed in dendritic cells, lymphocytes and specific cell types at immune-privileged sites. It inactivates granzyme B, a natural occurring inducer of programmed cell death. As such, Spi-6 functions as anti-apoptotic protein. In cytotoxic T cells (CTL), Spi-6 is required to protect clonal bursts (expansion) from granzyme B induced cell death. However, it is not required for the development of memory cells. Expression of SPI-6 is of crucial importance in the escape of several tumors from a CTL response and is, therefore, a parameter that influences the feasibility of CTL-mediated immunotherapy of cancer.

Uniprot ID:[O08797](#)**NCBI:**[NP_033282.1](#)**GeneID:**[20723](#)**Host / Isotype:**

Rabbit / Ig

Immunogen:

Recombinant GST-Spi-6

Format:**State:** Liquid 0.2 µm filtered Ig fraction**Purification:** Protein A Chromatography**Buffer System:** PBS**Preservatives:** 0.02% Sodium Azide**Stabilizers:** 0.1% BSA**Applications:****Flow Cytometry:** The typical starting working dilution is 1/50.**Western blot:** The typical starting working dilution is 1/50.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

The antibody recognizes Mouse Spi-6, also known as Serpin B9, a cytoplasmic serine protease inhibitor of ~42 kDa.

It shows no cross-reactivity with Mouse proteins related to Spi-6.

Species Reactivity:**Tested:** Mouse.**Storage:**

Store undiluted at 2-8°C.

Shelf life: one year from despatch.

General Readings:

1. Zhang M, Byrne S, Liu N, Wang Y, Oxenius A, Ashton-Rickardt PG. Differential survival of cytotoxic T cells and memory cell precursors. J Immunol. 2007 Mar 15;178(6):3483-91. PubMed PMID: 17339443.

2. Zhang M, Liu N, Park SM, Wang Y, Byrne S, Murmann AE, et al. Serine protease inhibitor 6-deficient mice have increased neutrophil immunity to Pseudomonas aeruginosa. J Immunol. 2007 Oct 1;179(7):4390-6. PubMed PMID: 17878334.